

DETAILED ACTION

Drawings

1. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(4) because reference character "19" has been used to designate both levers and drive shafts. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

2. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the following feature(s) must be shown or the feature(s) canceled from the claim(s). **No new matter should be entered**. The feature(s) that need to be shown are:

- a plurality of mating parts, a first mating part being affixed to the frame and a second mating part being movable from the first mating part
- wherein the plurality of mating parts are separable manually
- each action lever is coupled to the inner or outer casements via a piston system (***can be shown with black box***)

- wherein the blind or curtain is motor-driven (***can be shown with black box***)
- a conduit disposed within a space between two glass sheets (***can be shown with black box***)
- a conduit disposed within the volume (***can be shown with black box***)

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

The application has been amended as follows:

In the specification:

- Paragraph [0021]: The sentences - - The inner window casement comprises a plurality of mating parts, a first mating part of the plurality of mating parts being affixed to the frame and a second mating part of the plurality of mating parts being movable from the first part, wherein the plurality of mating parts are separable manually. The window panes are made of insulating glass, wherein the insulating glass comprises two parallel glass sheets spaced one from the other, further comprising a conduit disposed within a space between the two glass sheets, the conduit heating or cooling the space, wherein the conduit heats or cools the space by the temperature differential between the space and a liquid flowing in the conduit. - - has been added at the end of the paragraph;
- Paragraph [0032]: The sentence - - According to another alternative design, each of the action levers is coupled to the inner or the outer casements via a piston system. - - has been added at the end of the paragraph.

In the claims:

- Claim 38, lines 7-8: The phrase "a first mating part being affixed to the frame and a second of the mating part being movable from the first mating part;" has been replaced with the phrase - - a first mating part of the plurality of mating parts being affixed to the frame and a second

mating part of the plurality of mating parts being movable from the first mating part; - -;

- Claim 38, line 11: The phrase - - said plurality of action levers comprising - - has been inserted between the words "volume," and "a";
- Claim 38, line 13: The phrase "volume symmetrically from the first group of action levers," has been replaced with the phrase - - volume, said first group and said second group being symmetrical along a vertical axis, - -;
- Claim 40, line 2: The phrase "are enclosed within" has been replaced with the phrase - - is adjacent - -;
- Claim 56: The phrase "the rod or the rack and pinion system may be straight or curved." has been replaced with the phrase - - a rod or a rack and pinion system of the window system may be straight or curved. - -;
- Claim 57: The phrase "the rod or the rope" has been replaced with the phrase - - a rod or a rope of the window system - -;
- Claim 61: The word "pluralities" has been replaced with the word - - plurality - -;
- Claim 62: The phrase "by being coupled is coupled with a piston system." has been replaced with the phrase - - via a piston system. - -;
- Claim 64: The phrase "is coupled to the inner or outer casements by being slidably coupled to a bracket with a rotating pin, the bracket sliding within a guide block." has been replaced with the phrase - - is slidably

- coupled to the inner or outer casements via a bracket with a rotating pin, said bracket sliding within a guide block. - -;
- Claim 66: The phrase "a first and a second auxiliary levers coupled to one of the action levers, the first auxiliary lever coupling the action lever to the outer or inner window casement, to one end of the action lever, and to the second auxiliary lever, the second auxiliary lever coupling the first auxiliary lever to the frame." has been replaced with the phrase - - a first auxiliary lever and a second auxiliary lever, wherein the first auxiliary lever couples one of the action levers to the outer or inner window casement, and wherein the second auxiliary lever couples the first auxiliary lever to the frame. - -; and
 - Claim 73: The phrase "the blind or curtain" has been replaced with the phrase - - a blind or curtain is - -.
3. Claims 38-73 are allowed.
4. The following is an examiner's statement of reasons for allowance: The prior art fails to disclose two movable window panes disposed on opposite sides of a frame to define a volume enclosed between the window panes and the frame; an actuation system disposed within the volume, the actuation system comprising drive shafts connected to drive motors; a plurality of action levers, a first group of action levers being situated in an upper part of the volume, a second group of action levers being situated in the lower part of the volume, each action lever having a first end and a second end,

each action lever in the first group being coupled at the first end to the first end of an action lever in the second group, each second end being coupled to an outer or inner casement so that the actuation system causes the action levers to rotate and the window panes to move relative to one another; and a plurality of multiple hinges each coupling one of the inner or outer casements to the frame.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure: see PTO-892 Notice of Reference Cited.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to PHILIP S. KWON whose telephone number is (571)270-5230. The examiner can normally be reached on Mon - Fri 7:30-5, every other Fri off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Katherine Mitchell can be reached on (571)272-7069. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Philip S Kwon/
Examiner, Art Unit 3634

/KATHERINE W MITCHELL/
Supervisory Patent Examiner, Art
Unit 3634